MEMO

TO:

Energy and Environment Committee

FROM:

Daniel Griset, Senior Planner, (213) 236-1895, griset@scag.ca.gov

DATE:

August 5, 2004

SUBJECT:

Salton Sea Update

RECOMMENDED ACTION:

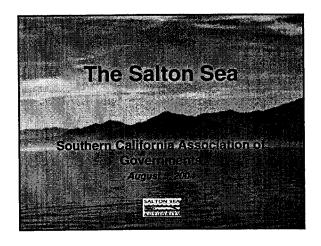
Information item.

BACKGROUND:

Hon. Marion Ashley, Riverside County Supervisor and Director of the Salton Sea Authority, will brief the Committee on a recent study and planning activities of the Authority, an agency created to lead reclamation efforts for the Sea. Recent efforts have included a study on the feasibility of constructing a causeway across the width of the Sea to divide the Sea into separate salinity management zones. The Authority has also considered the use of redevelopment financing strategies that could be used to fund future reclamation efforts.

FISCAL IMPACT: This information item has no fiscal impact on SCAG. The staff expense related to work on these water issues is supported by funding from work element 05-320.

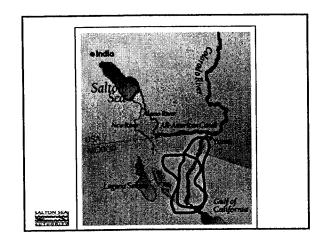
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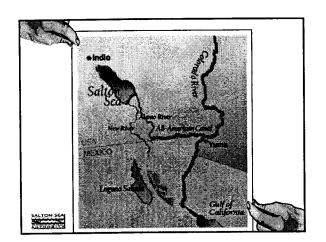


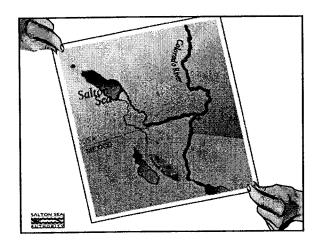
	Historical Context
	Formation of the Salton Sea
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So is it an "Artificial" Place?

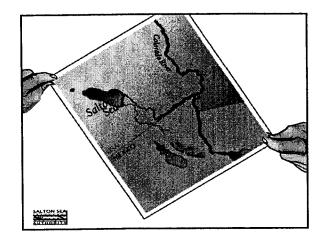
SALTON SEA

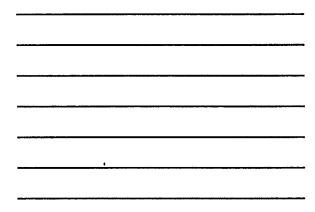


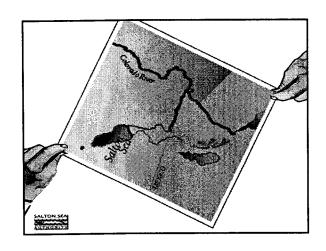




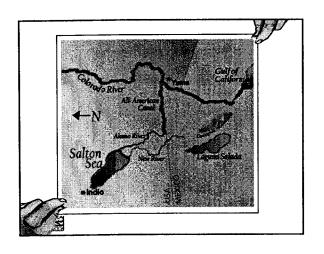
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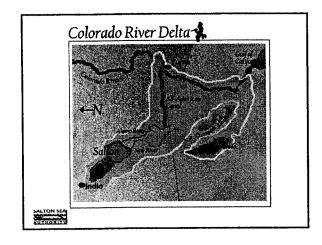


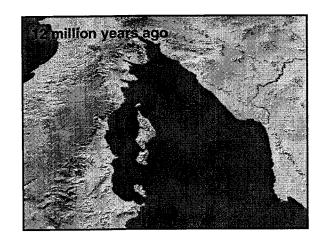


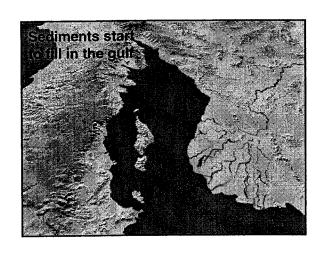


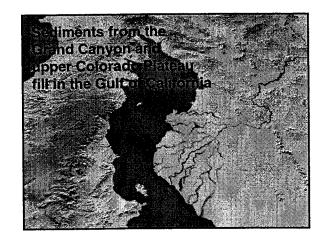
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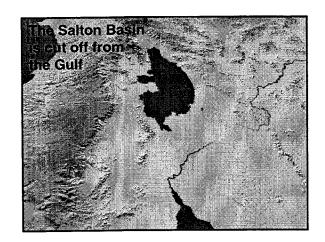


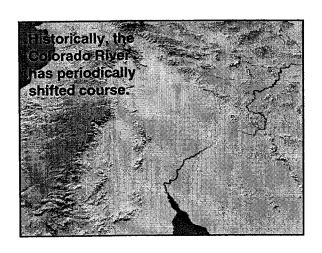


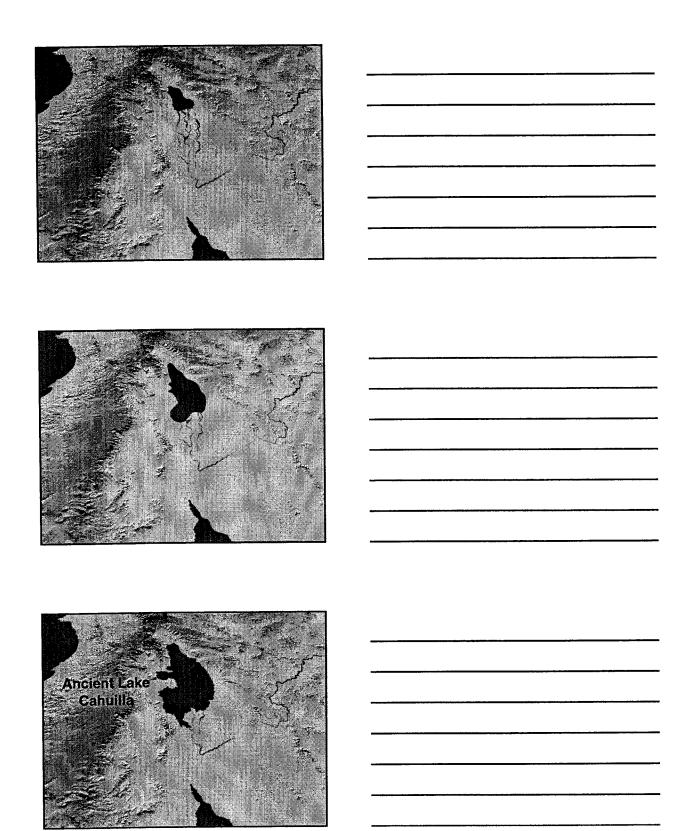


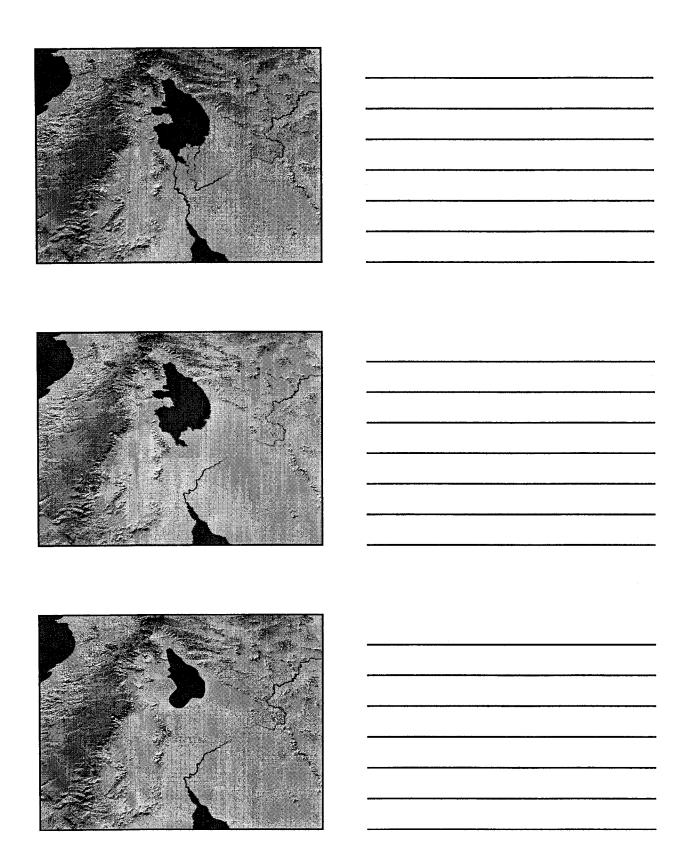


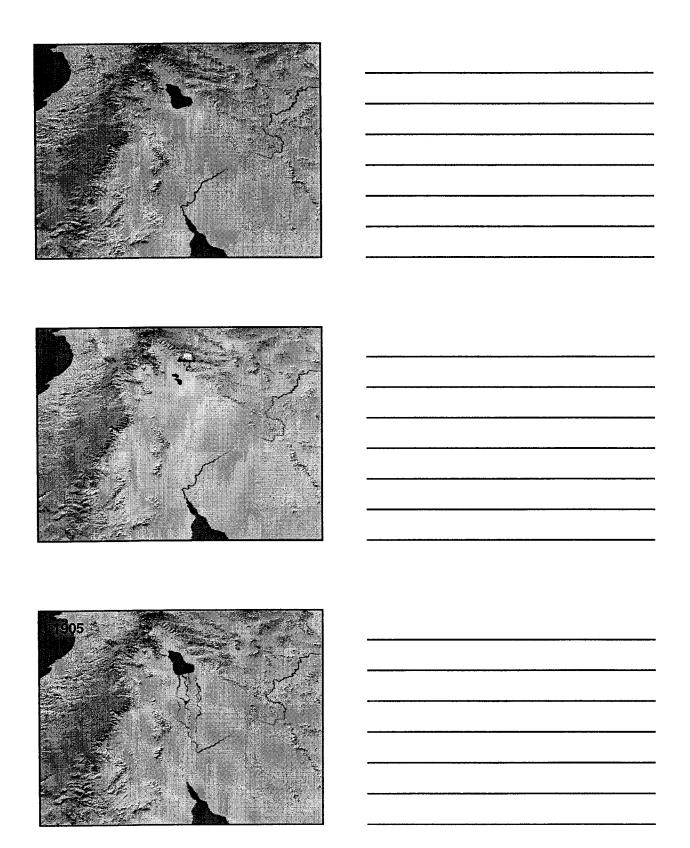


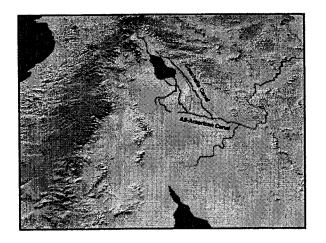










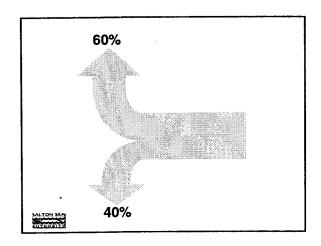


Yeah, But "Ancient History"...

Past 2000 Years, Archaeological Records Show





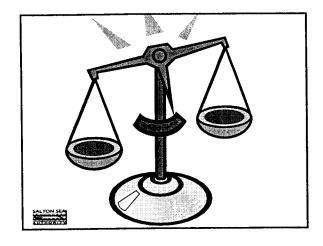


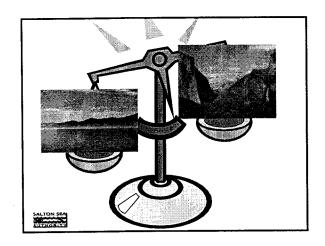
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Outline ■ Why Care? ■ Value of the Sea ■ What Happens if Nothing Happens? **■ Latest Plans/Developments** ■ Background ■ Preferred Project ■ Next Steps **■ CVEP Role** ALTON SEA **Outline ■** Why Care? ■ Value of the Sea ■ What Happens if Nothing Happens? ■ Latest Plans/Developments ■ Background ■ Preferred Project ■ Next Steps **■ CVEP Role** Value of the Sea **■** Economics **■**Recreation **■**Development **■**Agriculture **■** Environment

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		-
	■ <u>Economics</u> ■Recreation	
	■Development	
	■Agriculture	
	■ Environment	
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SALTON SEA





Value of the Sea

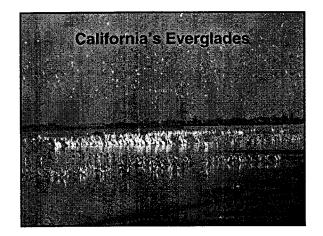
- **■** Economics
 - ■Recreation
 - **■**Development
 - ■Agriculture
- **■** Environment

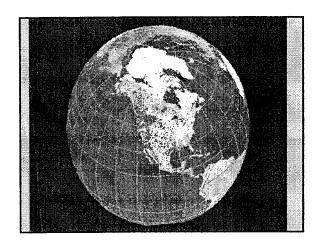
SALTON SEA

Value of the Sea

- **■** Economics
 - **■**Recreation
 - **■**Development
 - **■**Agriculture
- **■** Environment







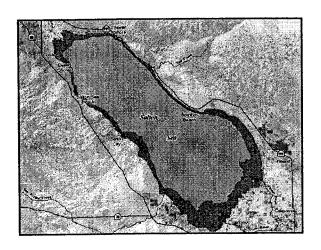
Outline	
■ Why Care? ■ Value of the Sea	
 ■ What Happens if Nothing Happens? ■ Latest Plans/Developments ■ Background 	
■ Preferred Project ■ Next Steps	
■ CVEP Role	
NATION SEA AUXHORASA	
The Do-Nothing Future	
■ Sea Becomes Salty So What?	
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ALTERNATION	
Not Just Poor Water Quality	
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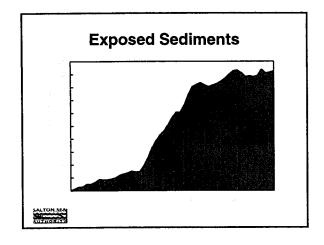
Less Water Supply Too

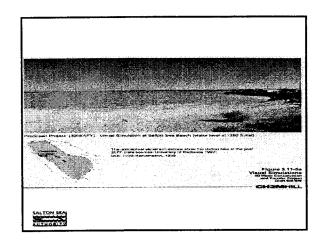
■ Water Transfers

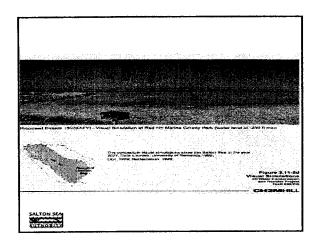


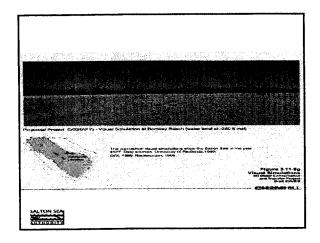


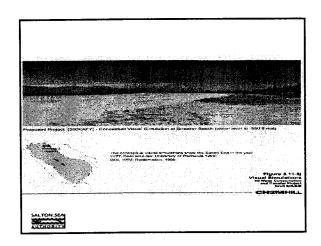


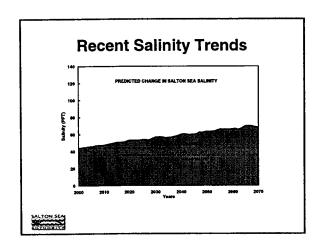


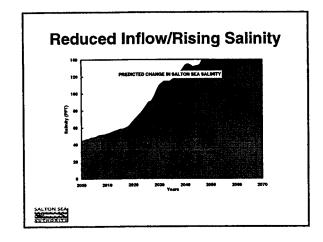












Impacts

- ■Biological
 - ■Speeding decline
- Air Quality
 - ■PM 10
 - **■**Odors



Air Quality

■ PM10



Owen's Lake

- Greatest Source of PM10 in Nation
- Well Above Any/All Standards
- Salt 20% to 50% of PM10
 - And Leads to Other Particle Emissions



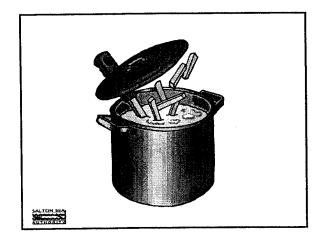
Owen's Lake

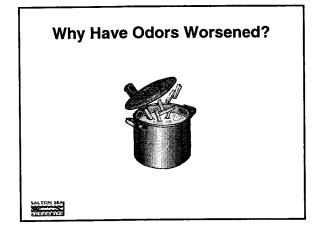
■ But Salton Sea not Owens Lake...

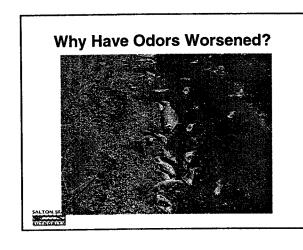


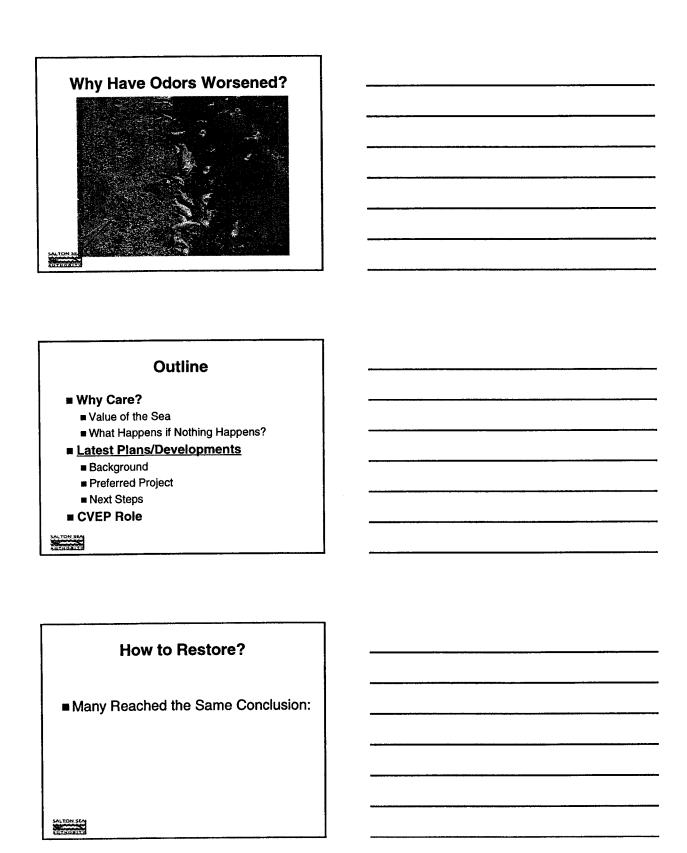
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How to Restore?	
■ Make Sea Smaller	
SALTON SEA	
US Filter	

Biggest Technical Challenge: How to Build Dikes in Tough Conditions



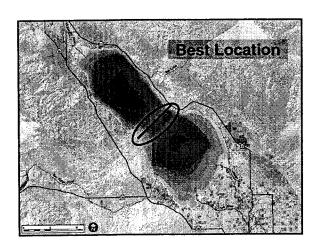
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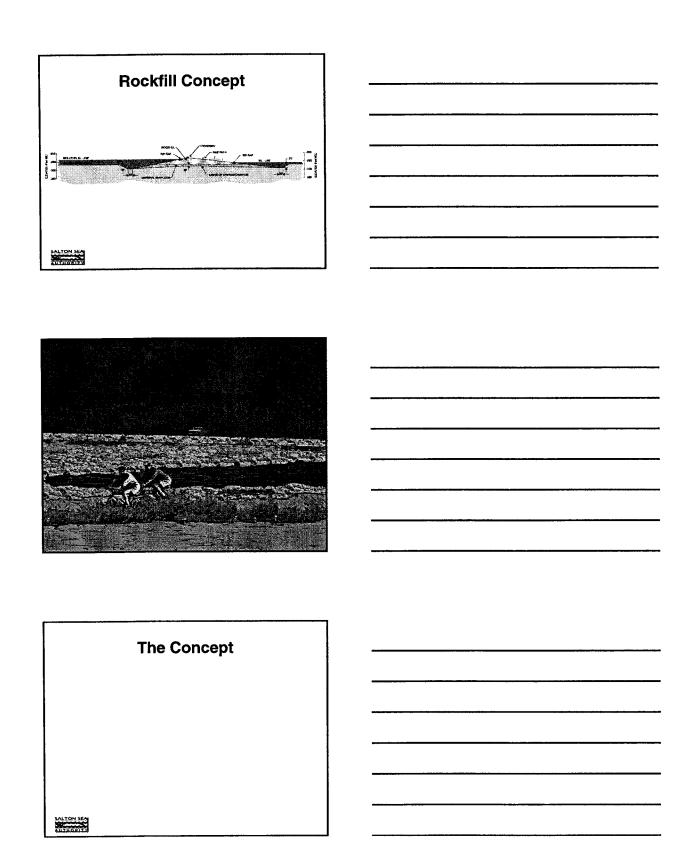
Drilled Cores

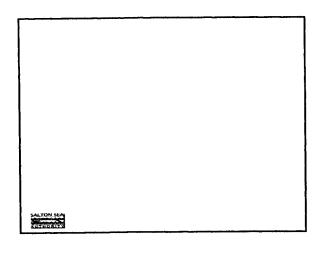
Latest Engineering...

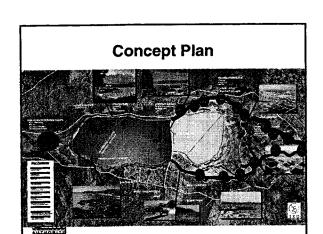
- Yes, Soft Material
- But, Done It Before
 - Great Salt Lake
 - Pacific Rim Marine











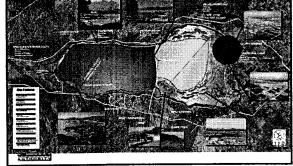


Fresh Water Wetlands

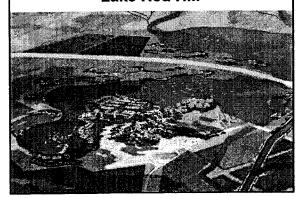
■ 2000-4000 Acres Along Rivers

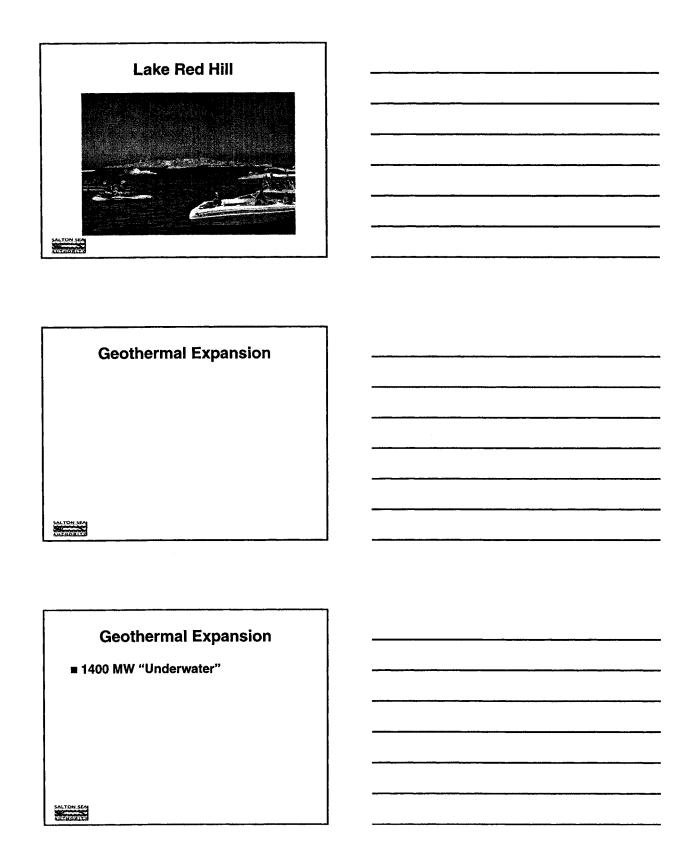


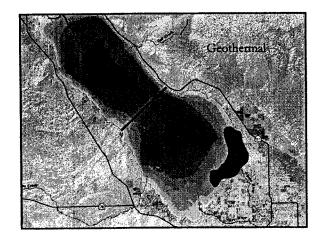
Recreation Lake

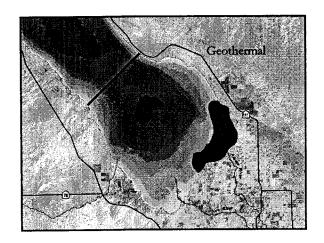


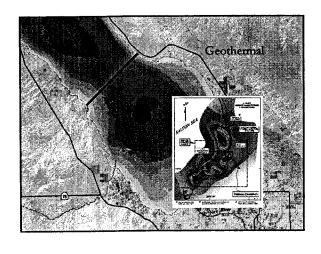
Lake Red Hill



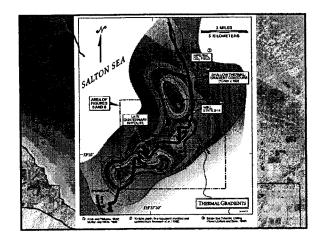


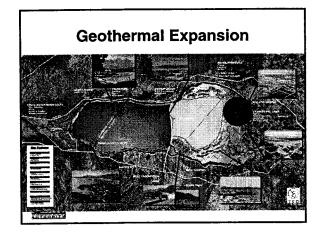


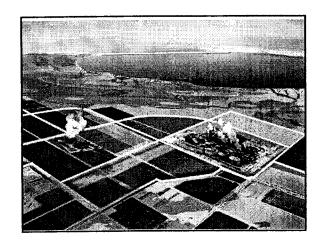




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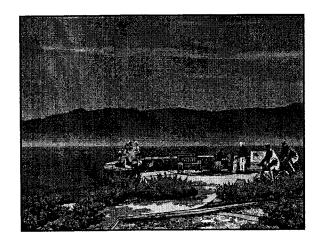


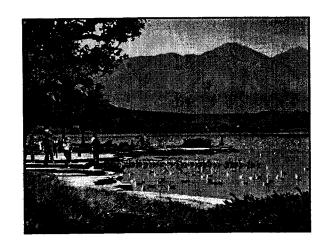


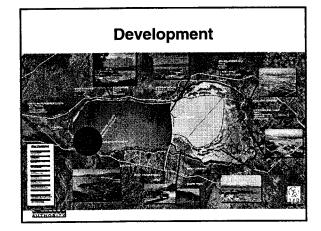


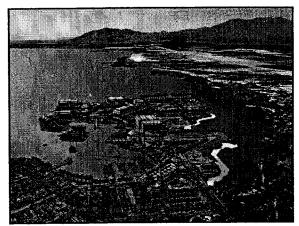
Marine Lake

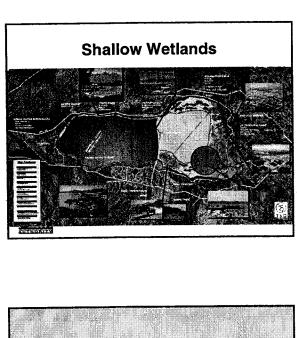
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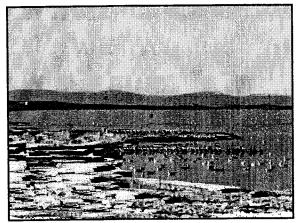








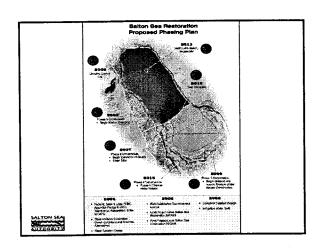




Yeah, But Too Expensive, Too Much Time...



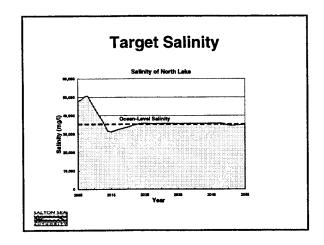
Phasing

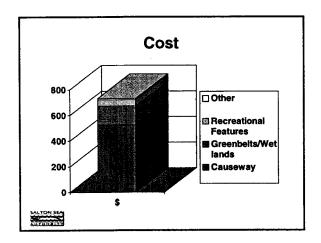


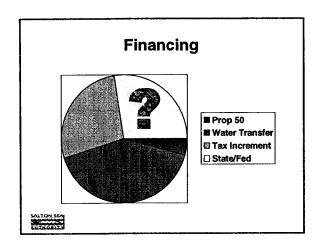
PERFORMANCE

■ SALINITY TARGETS MET W/I 10 YEARS!!









Momentum ■ Local community-smaller, better, Sea ■ Environmental community ■ Water Transfer Commitments/State Legislation ■ NY Times, LA Times, others Great Momentum, Equal Uncertainty ■ 2006 for a "Study" by State

What Next?

- SSA Board Endorsed Concept
- MOU Between Feds, State, Local
 - Align Goals
 - **■Work Together**
- Working on Regional Consensus
- Opportunity for Local Financing
 - **■**Tax Increment

